

Safety Data Sheet
acc. to OSHA HCS

Printing date 08/07/2019

Reviewed on 08/07/2019

1 Identification

- Trade name: **Bulk Neutralizer™ 662**
- Article number: N662
- Application of the substance / the mixture: Additive
- Restrictions For Use: For Industrial Use Only
- Details of the supplier of the safety data sheet
 - Manufacturer/Supplier: Bulk Chemicals Inc.
1074 Stinson Drive
READING, PA 19605
Phone: 800-338-2855
- Information department: info@bulkchemicals.us
- Emergency telephone number: CHEMTREC 1-800-424-9300, outside US +1-703-527-3887

2 Hazard(s) identification

· Classification of the substance or mixture



GHS03 Flame over circle

Ox. Sol. 3 H272 May intensify fire; oxidizer.



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Warning

· Signal word

· Hazard-determining components of labeling:

Sodium Nitrite

Borax

· Hazard statements

May intensify fire; oxidizer.

Harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

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· Precautionary statements

Keep away from heat.
 Keep/Store away from clothing/combustible materials.
 Take any precaution to avoid mixing with combustibles.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If swallowed: Call a poison center/doctor if you feel unwell.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

· Classification system:

- NFPA ratings (scale 0 - 4)
- HMIS-ratings (scale 0 - 4)

The substance possesses oxidizing properties.

HEALTH	2	Health = 2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description:

Mixture: consisting of the following components.
 The exact percentage of composition has been withheld as a trade secret.

· Dangerous components:

497-19-8	Sodium Carbonate	70-92%
12179-04-3	Borax	9-19%
7632-00-0	Sodium Nitrite	0-4.5%

4 First-aid measures

· Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.
 Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air. If symptoms persist seek medical attention.

· After skin contact:

Immediately rinse with water.

· After eye contact:

Check for and remove any contact lenses. Rinse opened eye for several minutes under running water. Seek medical treatment.

· After swallowing:

Seek medical treatment.

· Information for doctor:

- Most important symptoms and effects, both acute and delayed

No further relevant information available.

5 Fire-fighting measures

· Extinguishing agents:

Use fire fighting measures that suit the environment.

· Special hazards arising from the substance or mixture

No further relevant information available.

· Protective equipment:

Full firefighting gear and SCBA

6 Accidental release measures

· Personal Protective Equipment (PPE)

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

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· Methods and material for containment and cleaning up:

Pick up mechanically.

7 Handling and storage

- **Precautions for safe handling** Store in cool, dry place in tightly closed receptacles. Open and handle receptacle with care.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Store away from reducing agents. Avoid aluminum
 - **Further information about storage conditions:** Store in dry conditions. Protect from humidity and water.

8 Exposure controls/personal protection

· Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

12179-04-3 Borax

REL Long-term value: 1 mg/m³TLV Short-term value: 6* mg/m³Long-term value: 2* mg/m³

*as inhalable fraction

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
 - **Personal protective equipment:**
 - **General protective and hygienic measures:** Store protective clothing separately.
 - **Breathing equipment:** Do not breathe dust/fumes/gas/mist/vapors/spray. If exposure limits are exceeded or if respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
 - **Protection of hands:** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
 - **Eye protection:** Tightly fitting safety goggles; wear face shield if splashing hazard exists.

9 Physical and chemical properties

- **Form:** Powder
- **Color:** White
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Melting point/Melting range:** Not applicable.
- **Boiling point/Boiling range:** Undetermined.

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- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Decomposition temperature:** Not applicable
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - **Lower:** Not applicable
 - **Upper:** Not applicable.
- **Vapor pressure:** Not applicable.
- **Density:** Not determined.
 - **Relative density** Not applicable.
 - **Vapor density** Not applicable.
 - **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with**
 - **Water:** Soluble.

10 Stability and reactivity

- **Reactivity** Not determined.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
 - **LD/LC50 values that are relevant for classification:**

497-19-8 Sodium Carbonate
Oral LD50 4,090 mg/kg (rat)

7632-00-0 Sodium Nitrite
Oral LD50 85 mg/kg (rat)
 - **Primary irritant effect:**
 - **on the skin:** Irritant to skin and mucous membranes.
 - **on the eye:** Strong corrosive effect
 - **Sensitization:** No sensitizing effects known.
- **Additional information:**
 - **Carcinogenic categories**
 - **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.
 - **NTP (National Toxicology Program)**
None of the ingredients is listed.
 - **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

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12 Ecological information

- **Toxicity:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Persistence and degradability**
 - **Bioaccumulative potential** No further relevant information available.
 - **Mobility in soil** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation:** Dispose of waste in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

14 Transport information

- **UN-Number**
 - DOT, ADR, IMDG, IATA UN1479
- **UN proper shipping name**
 - DOT Oxidizing solid, n.o.s. (Sodium nitrite)
 - ADR 1479 OXIDIZING SOLID, N.O.S. (SODIUM NITRITE)
 - IMDG, IATA OXIDIZING SOLID, N.O.S. (SODIUM NITRITE)
- **Transport hazard class(es)**
 - DOT, ADR, IMDG, IATA
 - Class 5.1 Oxidizing substances
 - Label 5.1
 - DOT, ADR, IMDG, IATA III
- **Environmental hazards:**
 - Marine pollutant: No
- **Special precautions for user**
 - EMS Number: Warning: Oxidizing substances
 - Segregation groups F-A,S-Q
 - Stowage Category Nitrites and their mixtures
 - Segregation Code B
 - SG38 Stow "separated from" SGG2-ammonium compounds.
 - SG49 Stow "separated from" SGG6-cyanides
 - SG60 Stow "separated from" SGG16-peroxides
 - SG61 Stow "separated from" SGG15-powdered metals
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
 - DOT
 - Quantity limitations On passenger aircraft/rail: 25 kg
On cargo aircraft only: 100 kg
 - ADR
 - Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g

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- **IMDG**

- **Limited quantities (LQ)**
- **Excepted quantities (EQ)**

5 kg

Code: E1

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 1000 g

- **UN "Model Regulation":**

UN 1479 OXIDIZING SOLID, N.O.S. (SODIUM NITRITE), 5.1, III

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

7632-00-0 Sodium Nitrite

- **TSCA (Toxic Substances Control Act):**

497-19-8 Sodium Carbonate

ACTIVE

7632-00-0 Sodium Nitrite

ACTIVE

- **Hazardous Air Pollutants**

None of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Contact:**

SDS Coordinator

- **Date of preparation / last revision**

08/07/2019 / -

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